



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
Washington, D.C., United States of America

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AUG 13 2001

#2PC 1700

In re Application of Hu et al.

Serial No.: 09/851,177

Filed: 05/08/2001

For: High surface area, small crystallite size for  
fischer-tropsch synthesis

INFORMATION DISCLOSURE STATEMENT UNDER 1.97(b)

Honorable Commissioner of  
Patents and Trademarks  
Washington, D.C. 20231

Dear Sir:

In accordance with 37 CFR §1.56, the references listed below are being brought to the attention of the Examiner for consideration in connection with the examination of the above identified patent application. A copy of the cited references is enclosed.

U.S. REFERENCES CITED:

<u>PATENT NO.</u>	<u>INVENTOR</u>	<u>DATE</u>
5,733,839	Espinoza et al.	March 31, 1998
5,648,312	Rivas et al.	July 15, 1997
5,545,674	Behrmann et al.	August 13, 1996
5,516,740	Cody et al.	May 14, 1996
5,227,407	Kim	July 13, 1993
5,200,382	Cody et al.	April 6, 1993
5,128,377	Behrmann et al.	July 7, 1992
5,102,851	Eri et al.	April 7, 1992
5,036,032	Iglesia et al.	July 30, 1991
4,992,406	Mauldin et al.	February 12, 1991
4,962,078	Behrmann et al.	October 9, 1990

4,880,763	Eri et al.	November 14, 1989
4,857,559	Eri et al.	August 15, 1989
4,857,497	De Jong et al.	August 15, 1989
4,822,824	Iglesia et al.	April 18, 1989
4,801,573	Eri et al.	January 31, 1989
4,585,798	Beuther et al.	April 29, 1986

FOREIGN REFERENCES CITED (ENGLISH VERSION):

<u>PATENT ABSTRACT</u>	<u>INVENTOR</u>	<u>DATE</u>
EP 0 736 326	Sastech	April 4, 1996

NON PATENT LITERATURE DOCUMENTS:

IGLESIA, Design, synthesis, and use of cobalt-based Fischer-Tropsch synthesis catalysts, Applied Catalysis A: General, 1997, pg 59-78, Vol. 161, Elsevier

MAITLIS, Towards a chemical understanding of the Fischer-Tropsch reaction: alkene formation, Applied Catalysis A: General, 1999, pg 363-374, Vol. 186, Elsevier

IGLESIA, Synthesis and Catalytic Properties of Eggshell Cobalt Catalysts for the Fischer-Tropsch Synthesis, Journal of Catalysis, 1995, pg 108-122, Vol. 153, Academic Press, Inc.

SUN, Preparation Method of Highly Active Co/SiO<sub>2</sub> Catalyst for Slurry Phase Fischer-Tropsch Synthesis Symposium on Syngas Conversion to Fuels and Chemicals Presented Before the Division of Petroleum Chemistry, Inc. 217<sup>th</sup> National Meeting, American Chemical Society Ahaheim, CA, March 21-25, 1999, pg 76-78

REUEL, The Stoichiometries of H<sub>2</sub> and CO Adsorptions on Cobalt: Effects of Support and Preparation, Journal of Catalysis, 1984, pg 63-77, Vol. 85, Academic Press, Inc.

KRAUM, Fischer-Tropsch Synthesis: the influence of various cobalt compounds applied in the preparation of supported cobalt catalysts on their performance, Applied Catalysis A. General, 1999, pg 189-200, Vol. 186, Elsevier

BARBIER, Preparation and characterization of well-dispersed and stable Co/SiO<sub>2</sub> catalysts using the ammonia method, Applied Catalysis A: General, 1998, pg 333-343, Vol. 168, Elsevier

**Certification Under 37 CFR §1.97(b)**

This information is being submitted within three months after the filing date of the application and before the mailing date of the first office action. As such, no fee is due for its submission.

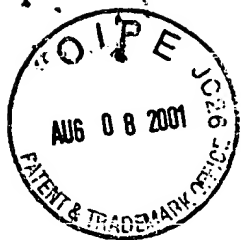
Respectfully submitted,



Joan L. Simunic, Reg. No. 43,125  
MIDDLETON REUTLINGER  
2500 Brown & Williamson Tower  
Louisville, Kentucky 40202  
(502) 584-1135  
[jsimunic@middreut.com](mailto:jsimunic@middreut.com)

Date: August 8, 2001

Encl: Form PTO/SB/21; PTO/SB/08A; PTO/SB/08B (including a copy of the references); Return postcard for evidencing receipt of above items



08-09-01

GP/1754

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Approved for use through 10/31/2002. OMB 0651-0031

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<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)	Application Number	09/851,177
	Filing Date	05/08/2001
	First Named Inventor	Hu
	Group Art Unit	1754
	Examiner Name	
Total Number of Pages in This Submission	Attorney Docket Number	ZL494/01001

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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Joan L. Simunic, Reg. No. 43,125
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